

66/08/21

01-03-00



[c674 U.S. P.T.]

# NEW UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(to be used for new applications only)

Docket No.  
108.236.119

Total Pages in this Submission

173

**TO THE ASSISTANT COMMISSIONER FOR PATENTS**  
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53 is a new utility patent application for an invention entitled:

Progenitor Cell Preservation Factors And Methods For And Products Of Their Use

1c575 U.S. PTO  
09/476485

12/30/99

and invented by:

Colucci, M. Gabriella; Chrispeels, Maarten J.; and Moore, Jeffrey G.

Enclosed are:

## Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 129 pages and including the following:
  - ☒ Abstract of the Disclosure
  - ☒ Title of the Invention
  - ☒ Cross References to Related Applications (if applicable)
  - ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
  - ☐ Reference to Microfiche Appendix (if applicable)
  - ☒ Background of the Invention
  - ☒ Brief Summary of the Invention
  - ☒ Brief Description of the Drawings (if drawings filed)
  - ☒ Detailed Description
  - ☒ Claim(s) as Classified Below
3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)
  - ☐ Formal ☒ Informal
  - Number of Sheets 41
4. ☐ Declaration
  - ☐ Executed ☐ Unexecuted ☐ With Power of Attorney ☐ Without Power of Attorney

**NEW UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Small Entity)**

*(to be used for new applications only)*

Docket No.  
108.236.119

Total Pages in this Submission

173

**Application Elements (Continued)**

5. ☐ Genetic Sequence Submission *(if applicable, all must be included)*
- ☐ Paper Copy
- ☐ Computer Readable Copy
- ☐ Statement Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

6. ☐ Assignment Papers
7. ☐ Computer Program in Microfiche
8. ☐ Information Disclosure Statement/PTO-1449    ☐ Copies of IDS Citations
9. ☐ Petition
10. ☐ Preliminary Amendment
11. ☐ Proprietary Information
12. ☐ Acknowledgment postcard
13. ☐ Small Entity Statement(s) - Specify Number of Statements Submitted: \_\_\_\_\_
14. ☒ Certificate of Mailing
- ☐ First Class    ☒ Express Mail *(Specify Label No.):* EL384922591US
15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. ☐ English Translation Document *(if applicable)*

**NEW UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Small Entity)**

*(to be used for new applications only)*

Docket No.  
108.236.119

Total Pages in this Submission

173

**Accompanying Application Parts (Continued)**

17. ☐ Additional Enclosures *(please identify below)*:

**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

| For  | #Filed | #Allowed | #Extra | Rate      | Fee      |
|--|--------|----------|--------|-----------|----------|
| Total Claims   | 61     | - 20 =   | 41     | x \$ 9.00 | \$369.00 |
| Indep. Claims  | 7      | - 3 =    | 4      | x \$39.00 | \$156.00 |
| Multiple Dependent Claims (check if applicable) <input type="checkbox"/> |        |          |        |           | \$ 0.00  |
| BASIC FEE  |        |          |        |           | \$345.00 |
| OTHER FEE <i>(specify purpose)</i>                                       |        |          |        |           | \$ 0.00  |
| TOTAL FILING FEE   |        |          |        |           | \$870.00 |

- ☐ A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 08-0219 as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of \$870.00 as filing fee.
  - ☒ Credit any overpayment.
  - ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
  - ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: December 30, 1999

*Nancy Chiu* PTO Ref No. 43,545  
Signature

Nancy Chiu, Ph.D., Technical Specialist  
Hale and Dorr LLP  
60 State Street  
Boston, MA 02109-1803  
P: 617-526-6048  
F: 617-526-5000

CC:

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Colucci et al.  
 Serial No.: To Be Assigned  
 Filing Date: December 30, 1999  
 Docket Number: 108.236.119  
 Title: **PROGENITOR CELL PRESERVATION FACTORS AND METHODS FOR AND PRODUCTS OF THEIR USE**

**BOX PATENT APPLICATION**

Assistant Commissioner for Patents  
 Washington, D.C. 20231

\*\*\*\*\*

**CERTIFICATE OF MAILING**

I hereby certify that the attached papers and fees are being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" Service under 37 C.F.R. 1.10 on **December 30, 1999** and is addressed to: **BOX PATENT APPLICATION**, Assistant Commissioner for Patents, Washington, D.C. 20231.

EL384922591US*Donna Puleo*

"Express Mail" Label No.

Donna Puleo

\*\*\*\*\*

\*\*\*\*\*

Dear Sir:

**TRANSMITTAL LETTER**

Enclosed herewith for filing in the United States Patent and Trademark office are the following documents:

- 1) New Utility Patent Application Transmittal (Small Entity) filed under 37. C.F.R. §1.53(b) entitled:

**PROGENITOR CELL PRESERVATION FACTORS AND METHODS FOR AND PRODUCTS OF THEIR USE**

and naming as inventors:

**M. Gabriella Colucci  
 Maarten J. Chrispeels  
 Jeffrey G. Moore**

384922591US

the application contains 170 pages comprising:

121 pages of specification, which including 7 pages of claims (61 claims of which 7 are independent claims) and 1 page of abstract; and 41 sheets of informal drawings comprising Figures 1 to 37; and

2) Return postcard

Please charge our deposit account, 08-0219, the required filing fee of \$870.00 pursuant to 37 C.F.R. §1.16(a). For this purpose, we enclose a duplicate copy of this document. The fee charged reflects the small entity status of this application.

If there are any questions, please call the undersigned at the telephone number indicated below.

Respectfully submitted,

HALE AND DORR LLP



Nancy Chiu, Ph.D.  
Registration No. 43,545  
Agent for Applicants

60 State Street  
Boston, MA 02109  
Tel. (617) 526-6000  
Fax. (617) 426-5000

Date: December 30, 1999